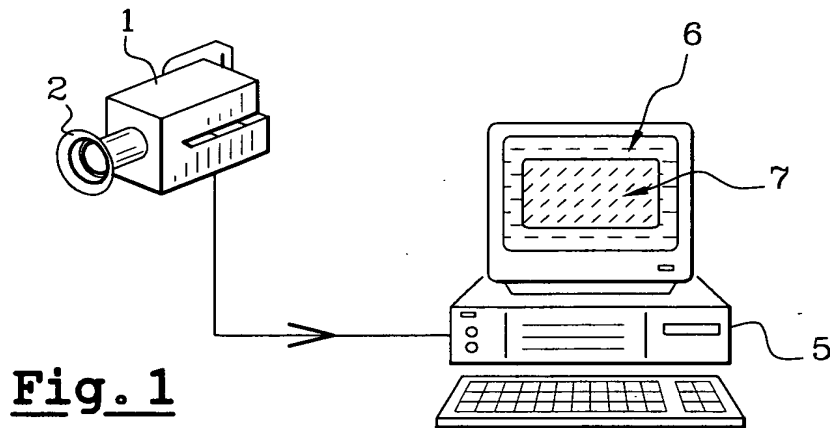
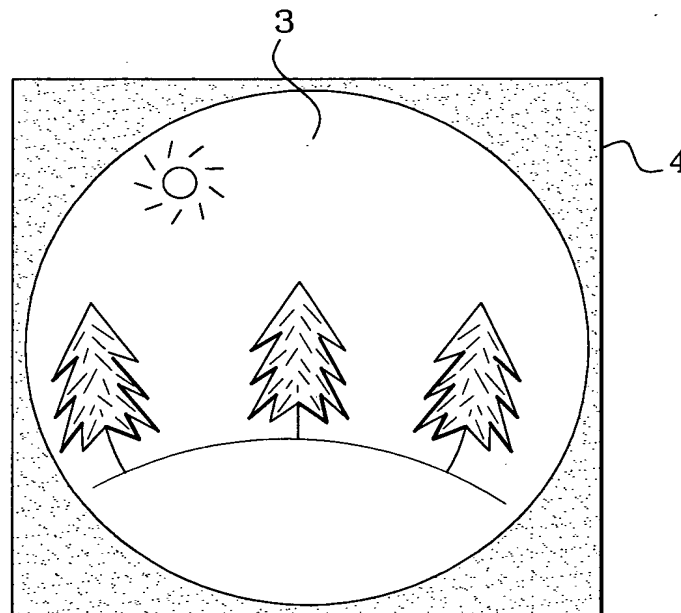


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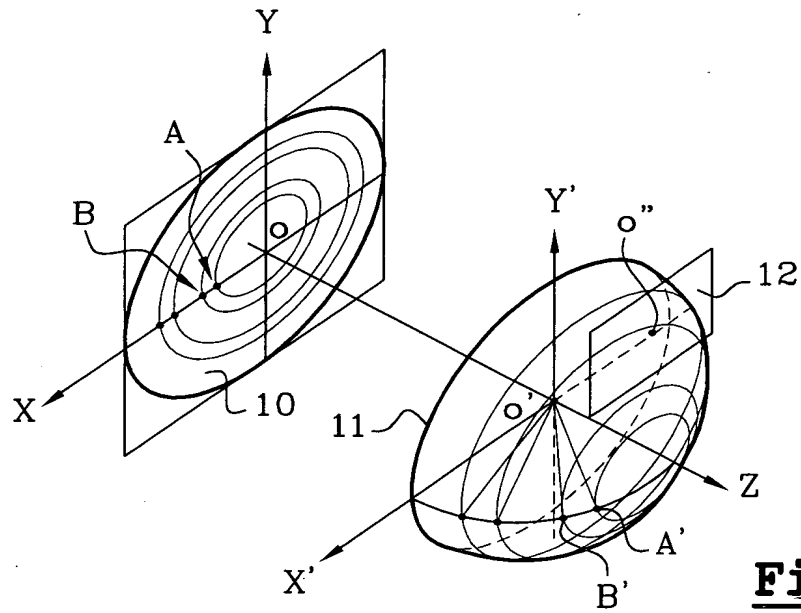


**Fig. 1**

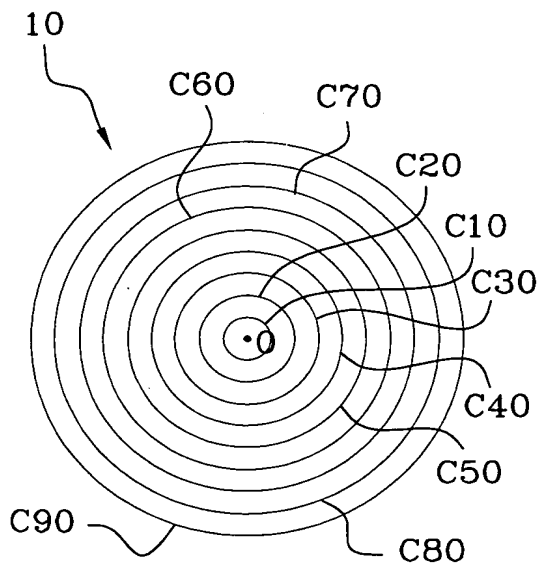


**Fig. 2**

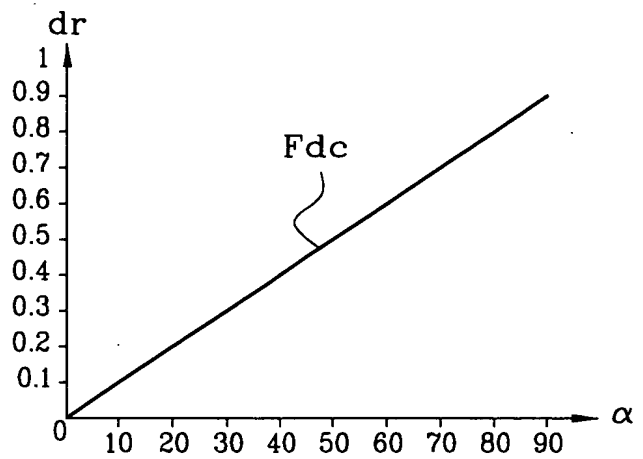
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**Fig. 3**

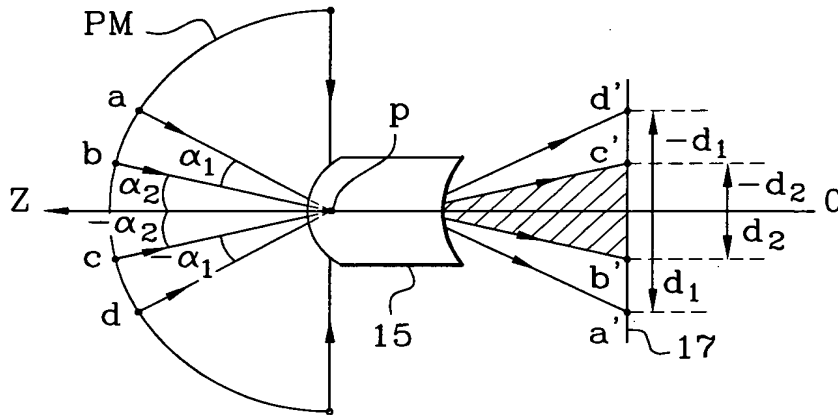


**Fig. 4A**

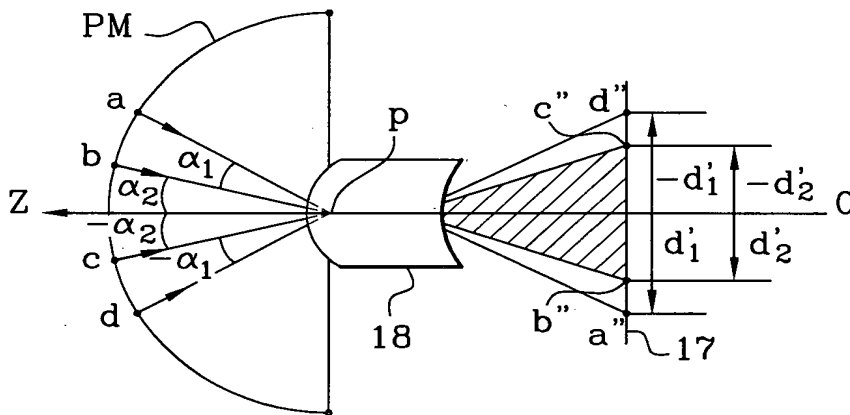


**Fig. 4B**

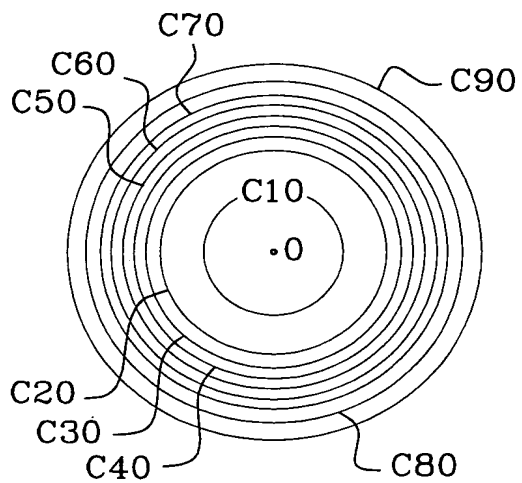
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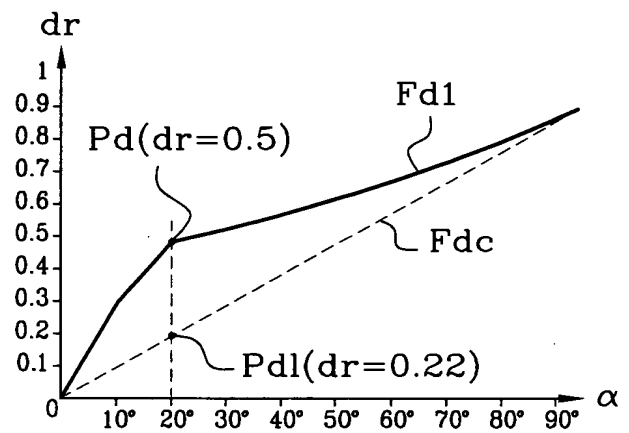
**Fig. 5**



**Fig. 6**

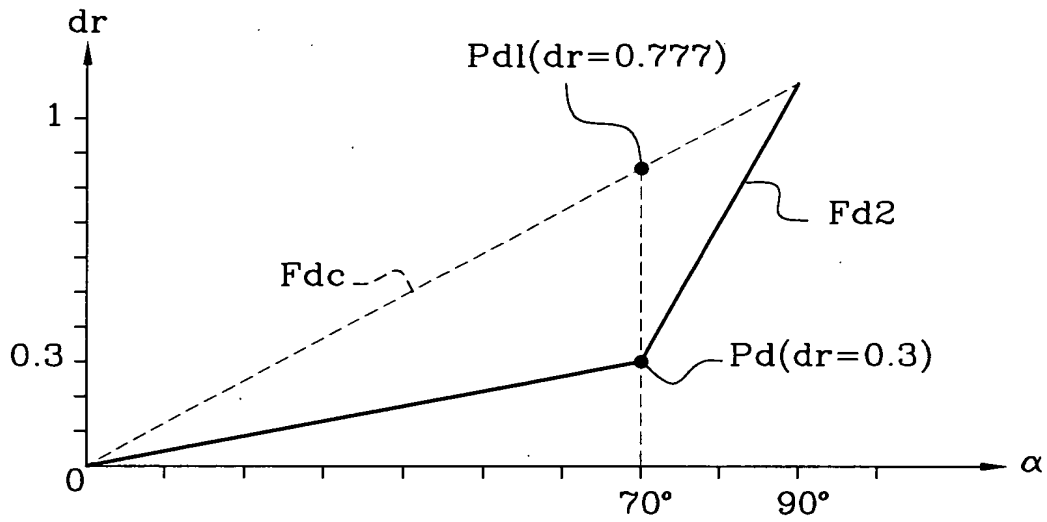


**Fig. 7A**

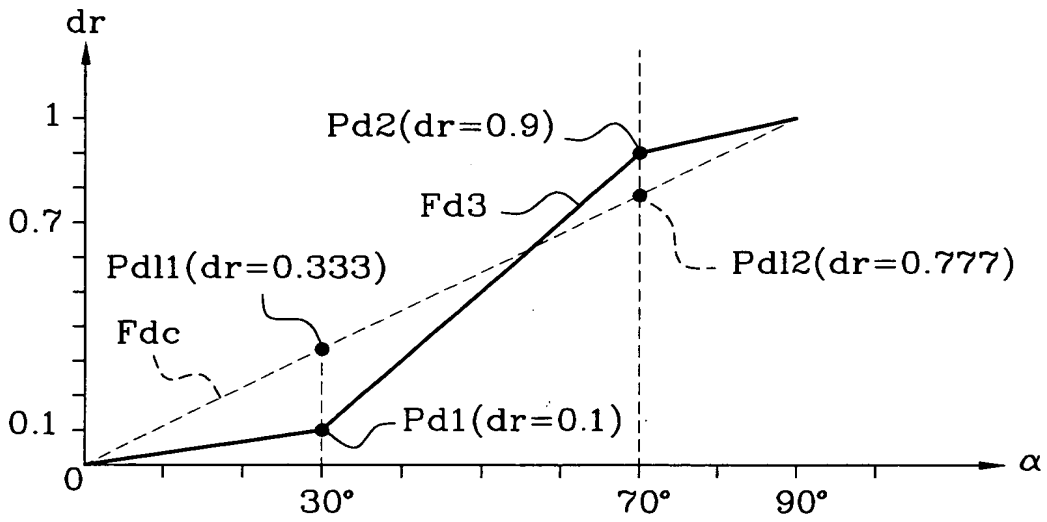


**Fig. 7B**

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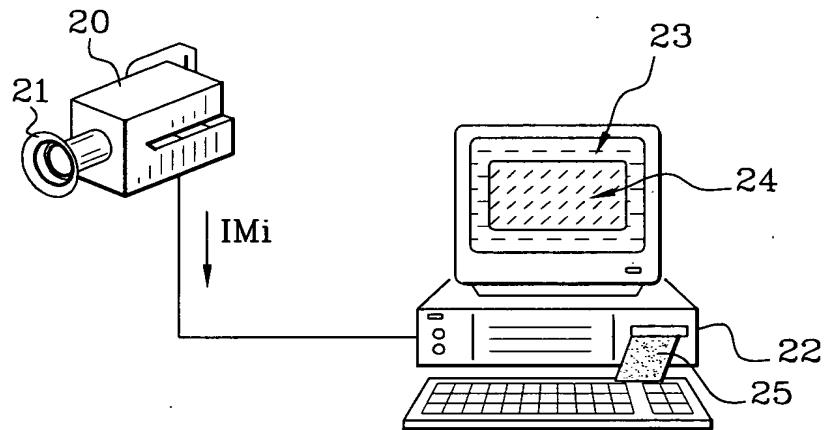


**Fig. 8**



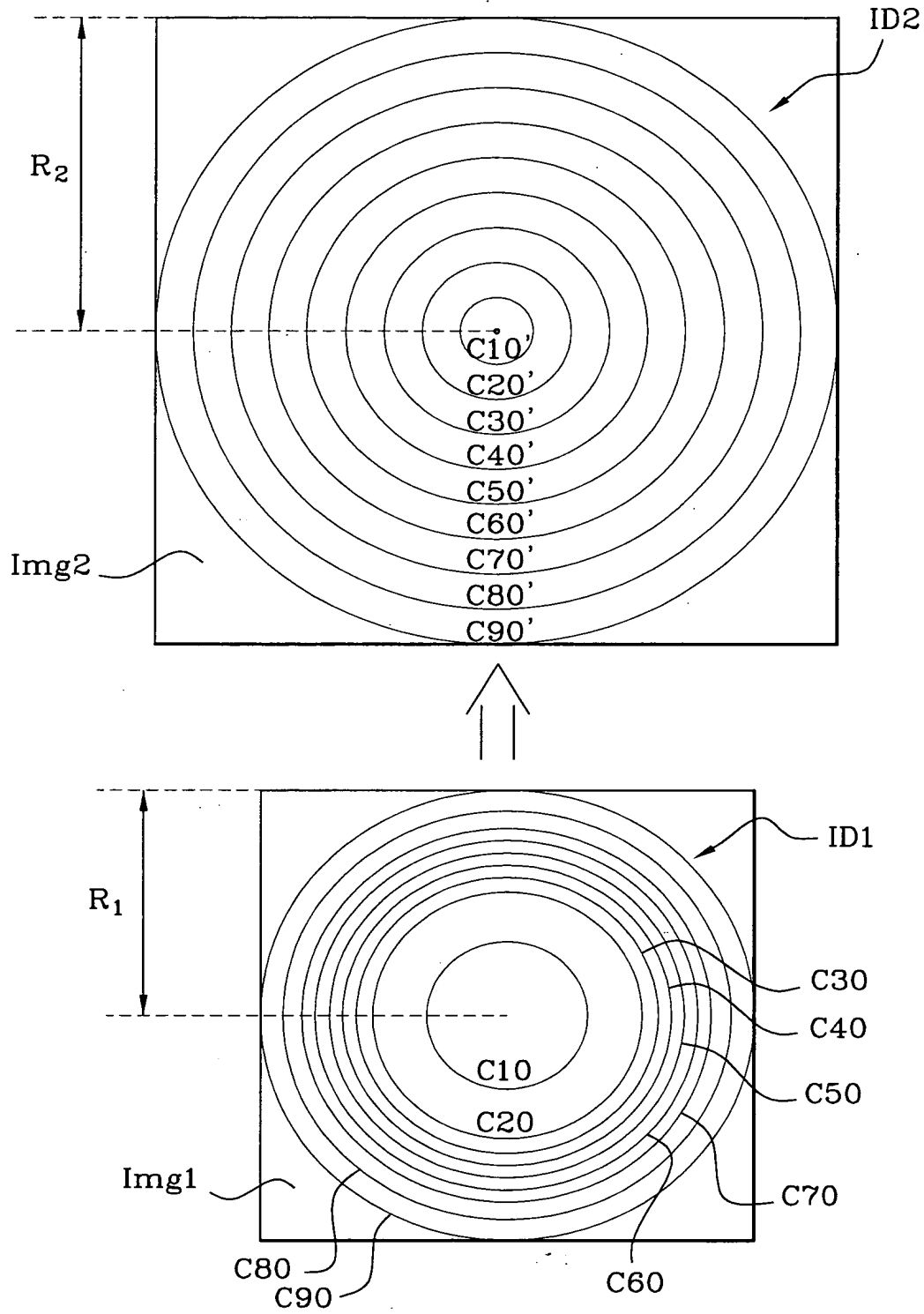
**Fig. 9**

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**Fig. 10**

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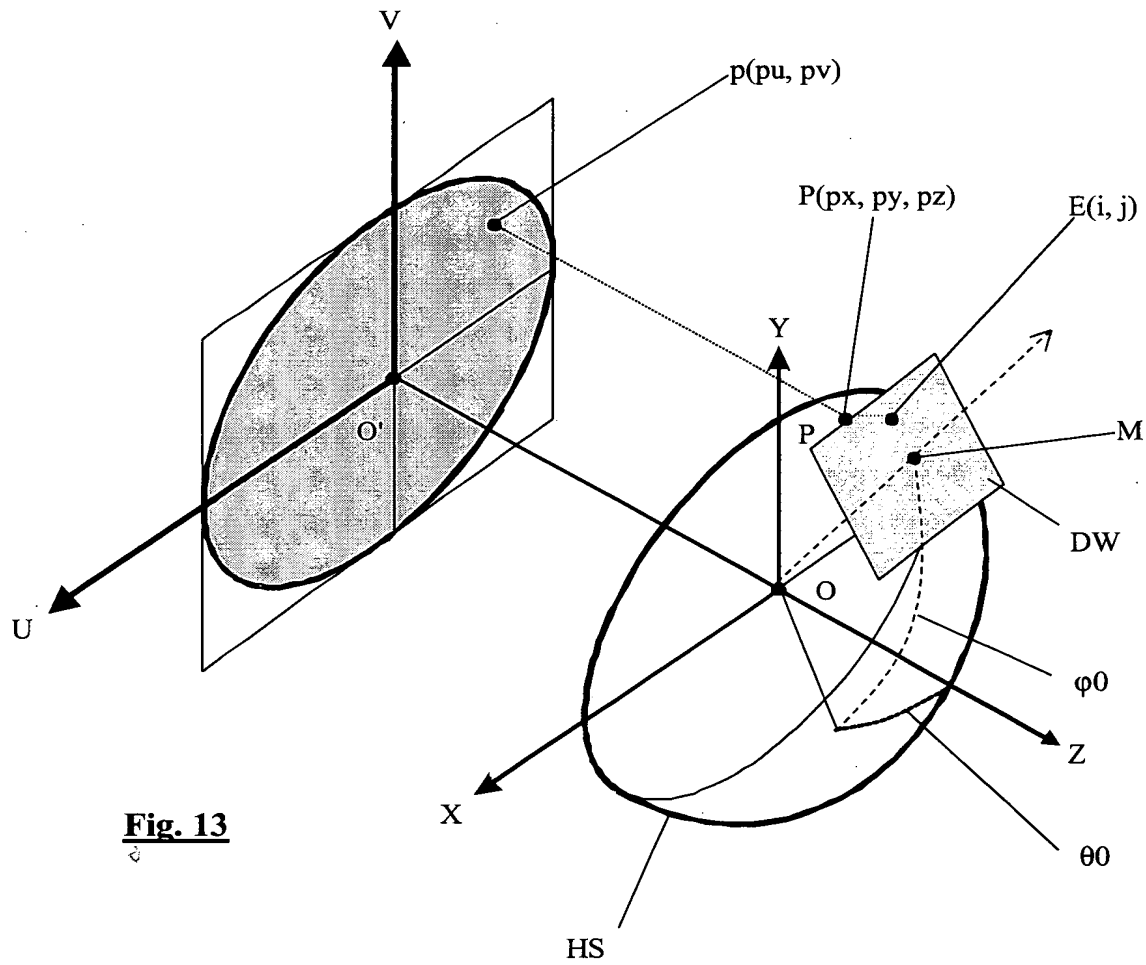


**Fig. 11**

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**Fig. 12**

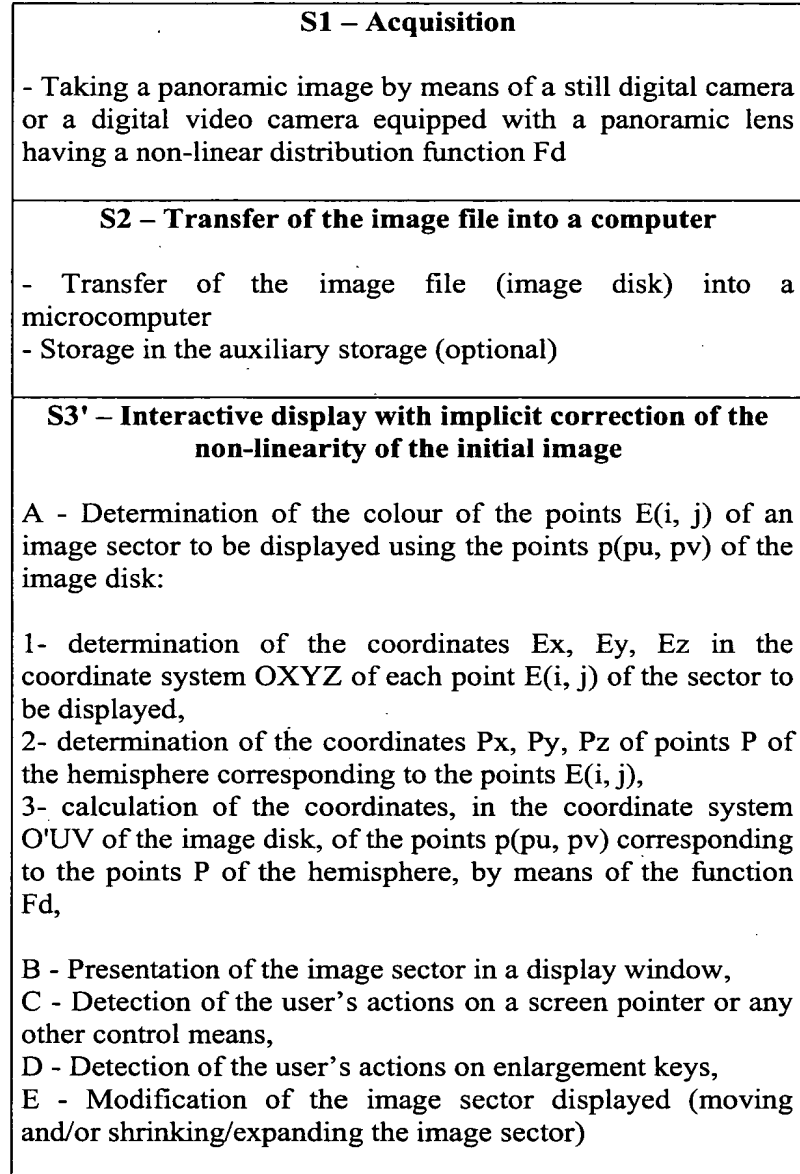
|  |
|--|
| <p align="center"><b>S1 – Acquisition</b></p> <ul style="list-style-type: none"> <li>- Taking a panoramic image by means of a still digital camera or a digital video camera equipped with a panoramic lens having a non-linear distribution function <math>F_d</math></li> </ul>  |
| <p align="center"><b>S2 – Transfer of the image file into a computer</b></p> <ul style="list-style-type: none"> <li>- Transfer of the image file (image disk) into a microcomputer</li> <li>- Storage in the auxiliary storage (optional)</li> </ul>   |
| <p align="center"><b>S3 -Linearisation of the image disk</b></p> <ul style="list-style-type: none"> <li>- Transfer of the image points of the initial image disk into a second virtual image disk comprising more image points than the initial image disk, by means of the function <math>F_d^{-1}</math><br/>Obtaining a linear image disk</li> </ul>  |
| <p align="center"><b>S4 – Digitisation</b></p> <ul style="list-style-type: none"> <li>- Transfer of the image points of the second image disk into a system of axes OXYZ in spherical coordinates Obtaining a panoramic image in a hemisphere</li> </ul>   |
| <p align="center"><b>S5 – Interactive display</b></p> <ul style="list-style-type: none"> <li>- Determination of the image points of an image sector to be displayed</li> <li>- Display of the image sector on a display window</li> <li>- Detection of the user's actions on a screen pointer or any other control means,</li> <li>- Detection of the user's actions on keys for image enlargement,</li> <li>- Modification of the sector displayed (sliding the image sector displayed on the surface of the hemisphere and/or shrinking/expanding the image sector displayed)</li> </ul> |



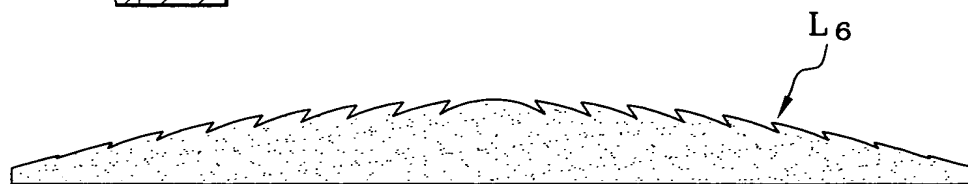
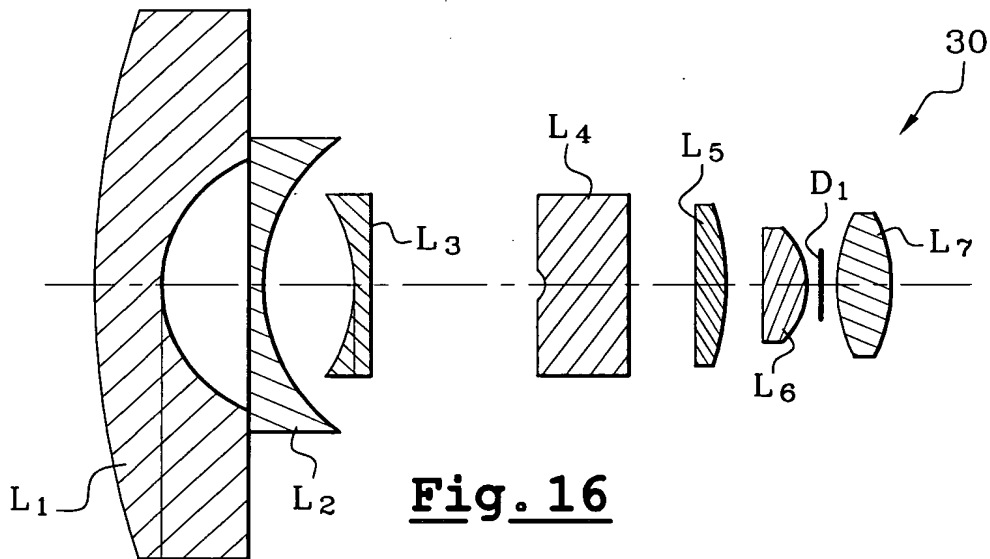
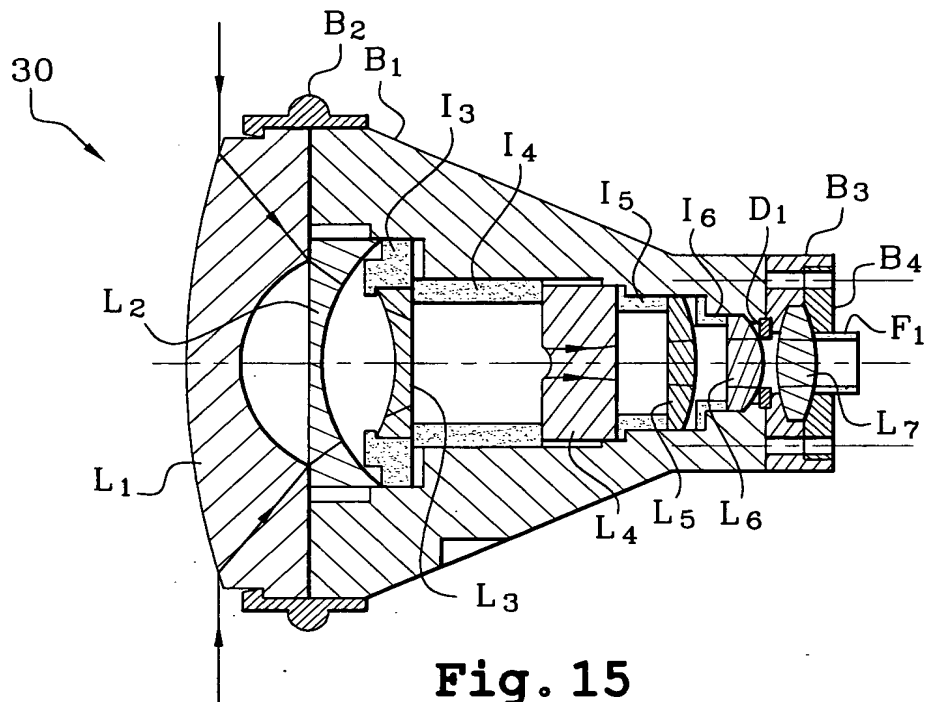


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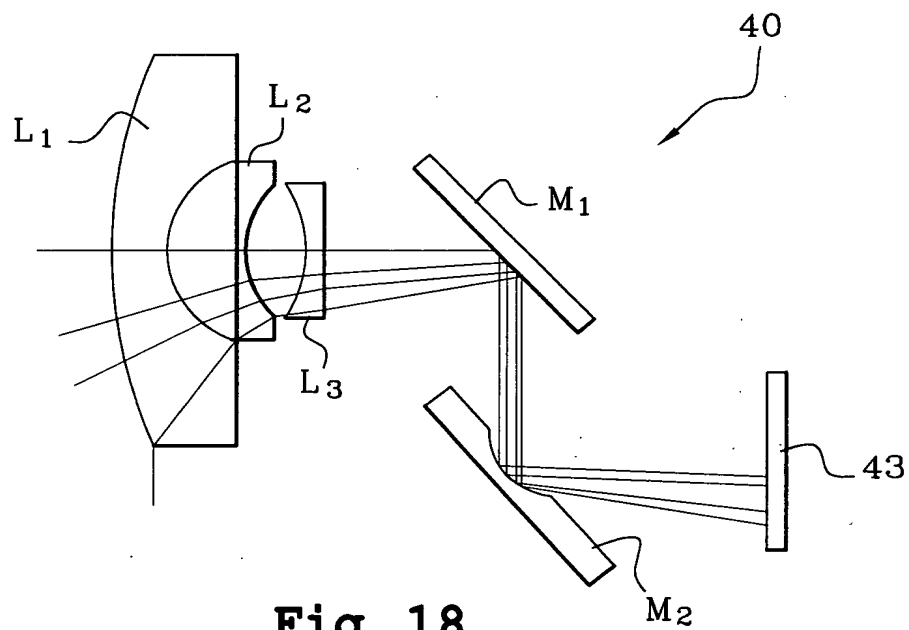
**Fig. 14**



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**Fig. 18**